RASTA
Center for Road Technology

Letter No: RAS/ Con/ 15-16/ 519

To,
The Commissioner,
Office of the Commissioner, BBMP Head Office,
N.R.Circle,
Bangalore.

Date: 16.06.15

Dear Sir,

Ref: Your letter No. A/PR/G667/15-16 dated 02-05-2015
Sub: Inspection of Completed works and Pending Bills

With reference to the above subject the Inspection of the following works of Ward no. 7, Kodigehalli Sub Division, Byatarayanapura has been completed and the Inspection Report is enclosed for your reference.

1. Improvement to Roads and drains from NH-7 to Jakkur Kaval Road in Ward No 7 Kodigehalli Sub Division (Sl. No. 1)
2. Improvement of Roads in Muneshwara swamy Temple roads and cross roads at Amruthahalli in ward No.7 Kodigehalli Sub Division(Sl. No.2)
3. Improvements of Roads, drains and culverts in main Roads and Cross roads in Hottappa Layout in ward No. 7, Kodigehalli sub division (Sl. No.6)
4. Improvements to Road drains and asphalting to roads in Vinayaka L/O 1st main, 2nd stage in Ward No:07 Byatarayanapura in Kodigehalli sub division (Sl. NO. 8)
5. Improvement to Road drains and Asphalting to roads in Vinayaka L/O 2nd cross, 1st stage in ward no:07, Byatarayanapura in kodigehalli sub division (Sl. NO.9)
6. Improvement to Road drains and Asphalting to roads in Vinayaka L/O 2nd main, 2nd stage in ward no:07, Byatarayanapura in kodigehalli sub division (Sl. No.10)

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7. Improvement to Road drains and Asphalting to roads in Venkanagowda layout Kempapura 1st B Main in Ward No.07 (Sl. NO.12)
8. Improvements of Roads and construction of RCC drain in "A" Block Sahakarnagar in Ward No.07, Kodigehalli Sub division (Sl. NO. 13)
9. Improvement of Roads and drains in Vayunnadara layout and Nethajinagar in ward No.7 Kodigehalli Sub Division (Sl. NO. 14)
10. Construction of dry waste collection centre at Amruthanagara in Ward no:07 of Kodigehalli Sub division (Sl. NO. 17)
11. Construction of RCC drain at Maramma Temple main road in Amruthahalli in Ward No. 07 K.S.D (Sl. No. 18)
12. Providing and Fixing name boards in Vinayaka and Venkatagowda Layout in Ward No.07 Byatarayanapura, Kodigehalli sub division (Sl. NO. 19)
13. Improvements of Concrete roads and drains at Byatarayanapura in Ward No.07 of Kodigehalli sub division (Sl. NO. 28)
14. SC / ST Houses Bill (6 items)

Please do the needful.

Regards,

Dr. Krishnamurthy
Professor – PG studies & STA
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Copy to:

1. Executive Engineer, BBMP Yelahanka

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KASTA
Center for Road Technology

BRUHAT BANGALORE MAHANAGARA PALIKE
INSPECTION REPORT

Sl No	Item	Description
1	Name of Work	Improvements to Road drains and asphalting to roads in Vinayaka L/O 1st main, 2nd stage in Ward No:07 Byatarayanapura in Kodigehalli sub division (Sl. NO. 8)
2	Estimate Cost	19.90 Lakhs
3	Administrative Approval No and Date	JC/YEL/AA/706/12-13 dated 7/1/13
4	Technical sanction No. and Date	EE/BTP/TS/303/12-13 dated 10/1/13
5	Job Code No. and P Code No.	007-13-00008 P-1771
6	Tender Direct Entrested to KRIDL	Data Not available
7	If Tender, Tender Notification No. Date and Publication in daily news Paper	EE/BTP/BBMP/E-PROC/19/12-13 dated 25/2/13
8	Tender Approved Details	Data Not available
9	Work Order No and Date	EE/BTP/BBMP/ETND/05/12-13 dated 17/5/13
10	Stipulation time of Completion	60 days
11	Actual Date of Commencement	Data Not available
12	Actual Date of Completion	29/6/13
13	Delay if any	Data Not available

14	**Reson for Delay**	Data Not available
15	**Payment made till date.**	--
16	**BR NO. and Date**	114 dated 29/6/13
17	**Status of Work**	Completed
18	**Photograph verfied**	Yes
19	**Date of Inspection**	22.05.15
20	**MB No. and Page No.**	1884 Pg No.- 188328
21	**Test Result**	Please Refer Anncxure -1
22	**Section officer**	Basavaraju
23	**Sub Division Officer**	K.P.Neelakantaiah
24	**Observation**	Please Refer Anncxure -2
a	**Work Quality**	Satisfactory
b	**Comments**	It was oberved that the thickness of WMM is 185mm and SDBC has an average thickness of 23mm. This deficiency could be attributed to the wear and tear, settlement, whip off, over a period of about 2 years which the pavement has already served. A permissble 5-10 % wear and 10% whip off can be acceptable for a pavement which has served for about 2 years. The work has been carried out with good quality according to specifications. Surface condtion is good and camber has been provided.The works stands completed as on date and is found satisfactory the Bill may be considered for clearance.

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Date / 15 /06 /15

Name of the work: - Improvements to Road drains and asphalting to roads in Vinayaka L/O 1st main, 2nd stage in Ward No:07 Byatarayanapura in Kodigehalli sub division (Sl. NO. 8)

Client: - BBMP, Bytarayanapura

Sample: - Semi Dense Bituminous Core (Core No.2)

Location: Vinayak layout, LHS, House No. 345/5

Annexure 1-Test Results

Check for **Semi Dense Bituminous Core**, obtained from field – Binder Content & Aggregate Gradation

Table 1

Chain age	Sieve size mm	Obtained Gradation %Passing	Desired Gradation **SDBC** Grade II % Passing	Remarks
Vinayak layout, LHS, House No. 345/5	19	100	-	As the mix design has not been followed, the degradation of materials is observed.
	13.2	100	100	
	9.5	94.48	90-100	
	4.75	62.65	35-51	
	2.36	31.23	24-39	
	1.18	16.45	15-30	
	0.6	10.58	-	
	0.3	9.75	9-19	
	0.15	5.75	-	
	0.075	4.42	3-8	

Check for Binder Content in **SDBC** Core {Grade II} { Vinayak layout, LHS, House No. 345/5 } – By Bitumen Extraction Test

Total weight of Semi Dense bituminous (Core) mix taken-500g

Table 2

Binder Content	Binder Content for SDBC Grade II as per MoRT&H specification.	Remarks
4.68 %	Requirement Min 5.0%	Deficiency due to evaporation of volatiles and ageing

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ANNEXURE 2- INSPECTION REPORT - OBSERVATIONS

Name of the Work: Improvements to Road drains and asphalting to roads in Vinayaka L/O 1st main, 2nd stage in Ward No:07 Byatarayanapura in Kodigehalli sub division (Sl. NO.8)

Sl No	Item	Measurements and Qty as per Claims (MB & Bills)	Measurements and Qty as per Actuals	Deviation	% Deviation
1	Length of stretch	286m	286m	nil	nil
2	Width	6.3 m avg	6.2m	0.1m	2%
3	Providing & Laying SDBC thickness	25mm	23mm	nil	nil
4	Providing & Laying WMM thickness	200mm	185mm	15mm	8%

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